WIM100-B

Wireless Bluetooth Interface Module

A module designed to provide a Bluetooth (Version 4.0) interface between the proprietary products and other Bluetooth equipment

Overview

The WIM100-B module provides a wireless transparent link using the Bluetooth serial port profile via a standard uart interface. The unit has an integrated antenna with support for a range of 10m.

The Bluetooth standard allows for pairing with other devices that support the same or earlier Bluetooth standard.

The module is housed in the standard proprietary product enclosures and can be fitted to all proprietary products that have been purchased with the required Bluetooth support.
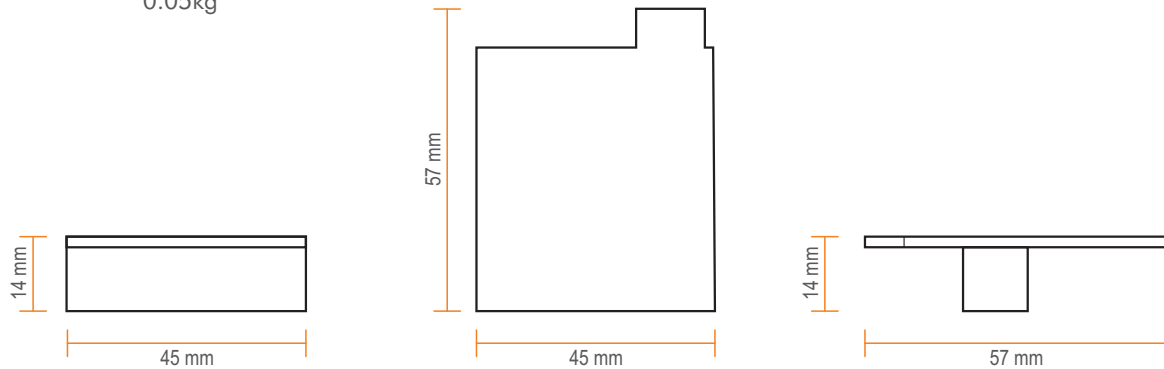
Features

- Once configured, the module is transparent to the user
- Provides wireless connectivity for remote monitoring with Bluetooth
- Supports full data extraction or dynamic monitoring using the INSTANCE graphics applications
- DIN Rail mounting as installed inside proprietary product enclosures
- Integrated antenna for 10m communication range
- Supports 9600-115kbits/sec data rates when used with the proprietary product range

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Specifications

Dimension Diagram

Dimensions: 57 X 45 X 14 mm
Weight: 0.05kg

Power

Operating voltage: +3.3V DC
Operating current: Communicating: 30 to 40 mA / Not communicating: 2 to 8 mA

Interfaces

Bluetooth protocol: Bluetooth Specification v2.0+EDR
Frequency: 2.4 GHz ISM band
Modulation: GFSK (Gaussian Frequency Shift Keying)
Emissions power: ≤ 4dBm, Class 2
Sensitivity: ≤ -84dBm at 0.1% BER
Speed: Asynchronous: 2.1Mbps(Max) / 160kbps, Synchronous: 1Mbps / 1Mbps
Security: Authentication and encryption
Range: 30ft / 10m

Temperature

Operating: -20 to +75°C

Agency Approvals and Standards

Lead Free Status: RoHS Compliant

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